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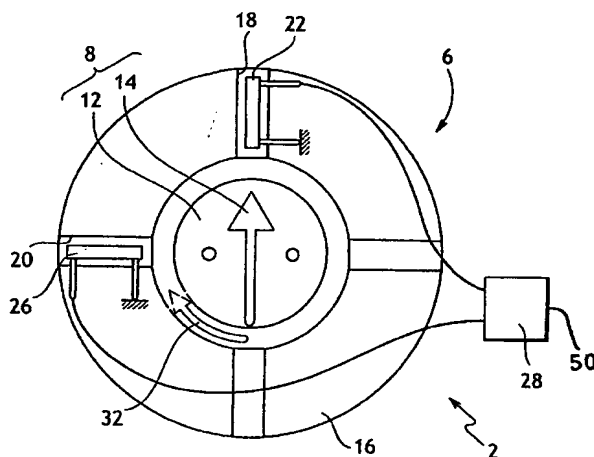
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(54) Title: DEVICE FOR DETERMINING THE ANGULAR POSITION AND ROTATION SPEED OF A ROTARY MEMBER



(57) Abstract: The invention relates to a device (1) for determining the angular position and rotation speed of a rotary member. The inventive device comprises a sensor (2) consisting of a fixed part and a rotary part which is linked to the rotary member. According to the invention, the aforementioned rotary part bears a magnetic flux generator, while the fixed part comprises: a first probe (22) which generates an electric signal (V_{22}) having two different levels as a function of the angular position of the rotary member; and a second probe (26) which is angularly offset in relation to the first probe (22) and which generates an electric signal (V_f) as a one-way function of the angular position of the rotary member for each segment of revolution corresponding to a level of the electric signal generated by the first probe. The invention also comprises analysis means (4) consisting of: means (36, 38, 46) for unequivocally defining the angular position of the rotary member, and means (36, 40, 42, 44) for calculating the rotation speed of said rotary member.

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ABSTRACT OF THE DISCLOSURE

The invention relates to a device (1) for determining the angular position and rotation speed of a rotary member. The inventive device comprises a sensor (2) consisting of a fixed part and a rotary part which is linked to the rotary member. According to the invention, the aforementioned rotary part bears a magnetic flux generator, while the fixed part comprises: a first probe (22) which generates an electric signal (V_{22}) having two different levels as a function of the angular position of the rotary member; and a second probe (26) which is angularly offset in relation to the first probe (22) and which generates an electric signal (V_f) as a one-way function of the angular position of the rotary member for each segment of revolution corresponding to a level of the electric signal generated by the first probe. The invention also comprises analysis means (4) consisting of: means (36, 38, 46) for unequivocally defining the angular position of the rotary member, and means (36, 40, 42, 44) for calculating the rotation speed of said rotary member.